Hot Springs Valley Groundwater Basin

- Groundwater Basin Number: 5-40
- County: Modoc, Shasta
- Surface Area: 2,400 acres (4 square miles)

Basin Boundaries and Hydrology

The Hot Springs Valley Groundwater Basin is a northwest trending valley of Quaternary alluvium. The basin is bounded to the north, northeast, and northwest by Tertiary basalt of Big Valley Mountain and to the east and west by Recent basalt (Gay 1968). Annual precipitation ranges from 19- to 27-inches, increasing to the north.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations
Groundwater Level Trends
Groundwater Storage

Groundwater Budget (Type B)

Estimates of groundwater extraction for the Hot Springs Valley Basin are based on 1995 and 1997 surveys conducted by the California Department of Water Resources. Surveys included landuse and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 1 acre-foot. Deep percolation of applied water is estimated to be 41 acre-feet.

Groundwater Quality

Well Characteristics

	Well yields (gal/min)	
Municipal/Irrigation	NKD	
	Total depths (ft)	
Domestic	Range: 55 – 380	Average: 164 (7 Well Completion Reports)
Municipal/Irrigation	230 (1 Well Completion Report)	

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD

Basin Management

Groundwater management:	Shasta County adopted a groundwater management ordinance in 1998. Siskiyou County adopted a groundwater management ordinance in 1998.
Water agencies	
Public	None
Private	None

Selected Reference

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